

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PM&S FORM PAT-1449)
Patent and Trademark Office

Atty. Dkt.
No.

M#

Client Ref.

056291-5041

Z70472703

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: KETTLE et al.

Appln. No.: 09/889,599

Filing Date: October 19, 2001

Date: February 24, 2003 Page 1 of 6

Examiner: Robinson, B.

Group Art Unit: 1614/625

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
BMR	AR 3,557,142	01/1971	Bell			
	BR 3,776,923	12/1973	Remers et al.			
	CR 3,997,557	12/1976	Helsley et al.			
	DR 4,608,384	08/1986	Wierzbicki et al.			
	ER 4,529,724	07/1985	Ho			
	FR 4,721,725	01/1988	Biller et al.			
	GR 4,751,231	06/1998	Halczenko et al.			
	HR 4,965,369	10/1990	Maetzel et al.			
	IR 5,190,968	03/1993	Gillard et al.			
BMR	JR 5,254,563	10/1993	Huth et al.			

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	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
BMR	KR 298 913 A5	03/1992	DE	Liebscher et al.	X			X
	LR 0 077 209	04/1983	EPA	Smith				
	MR 0 114 014	07/1984	EPA	Wierzbicki et al.		X		X
	NR 0 186 367	07/1986	EPA	Connor et al.				
	OR 0 189 690	08/1986	EPA	Baldwin et al.				
	PR 0 275 667	07/1998	EPA	Gillard et al.				
	QR 0 419 049 A1	03/1991	EPA	Prasit et al.				
	RR 0 480 659 A2	04/1992	EPA	Nakashima et al.				
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BMR	TR	Berman et al., "Localization of Monocyte Chemoattractant Peptide-1 ... Autoimmune Encephalomyelitis and Trauma in the Rat", Journal of Immunology, 1996, Vol. 156, pp. 3017-3023; XP002105551 cited in the application, see the whole document				
	UR	Bobošik et al., "Synthesis of N-Phenylsulfonyl Protected Furo[3,2-b]pyrroles", Collect. Czech. Chem. Commun., Vol. 59, 1994, pp. 499-205				
BMR	VR	Kataoka et al., Chemical Abstracts, vol. 123, no. 14, 2 October 1995 Columbus, Ohio, US; abstract no. 179521d, Homopiperazines as cell migration inhibitors." Xp002081582 see abstract & JP 95 145060 A (TEJIN LTD)				

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Date Considered:

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Group Art Unit: 1614

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U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
<i>BMN</i>	AR 5,272,145	12/1993	Prasit et al.			
	BR 5,273,980	12/1993	Frenette et al.			
	CR 5,288,743	02/1994	Brooks et al.			
	DR 5,290,798	03/1994	Gillard et al.			
	ER 5,308,850	05/1994	Gillard et al.			
	FR 5,389,650	02/1995	Frenette et al.			
	GR 5,399,699	03/1995	Kolasa et al.			
	HR 5,482,960	01/1996	Berryman et al.			
	IR 5,684,032	11/1997	Elliott et al.			
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	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
<i>BMN</i>	KR 0 535 924 A1	04/1993	EPA	Hutchinson et al.				
	LR 0 535 925 A1	04/1993	EPA	Hutchinson et al.				
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	NR 0 639 573 A1	02/1995	EPA	Lang et al.	X		X	
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	PR 2 565 981	12/1985	France	Wierzbicki et al.		X		X
	QR WO 86/00896	02/1986	WIPO	Gold et al.				
	RR WO 93/12780	07/1993	WIPO	McDonald et al.				
<i>BMN</i>	SR WO 93/16069	08/1993	WIPO	Frenette et al.				

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<i>BMN</i>	TR	Dandárová et al., "Reference Data", Magnetic Resonance in Chemistry, Vol. 28, 1990, pp. 830-831				
<i>BMN</i>	UR	Korobchenko et al., Database Chemabs, Chemical Abstracts Service, Columbus, Ohio, US, AN: 119:62465, XP002105556, see abstract & "Synthesis and antiviral activity of pyrrolecarboxylic acids and their derivatives" KHIM.-FARM.ZH., vol. 26, no. 11-12, 1992, pages 57-59, see the whole document				

Examiner

Date Considered: 5/24/03

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BML	AR	5,955,492	09/1999	Thompson et al.		
	BR	6,184,235	02/2001	Connor et al.		
**	CR	6,288,103	09/2001	Faull et al.		
**	DR	6,441,004	08/2002	Faull et al.		
** BML	ER	6,291,507	09/2001	Faull et al.		

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BML	FR	WO 93/20078	10/1993	WIPO	Ayer et al.				
	GR	WO 93/25546	12/1993	WIPO	Frenette et al.				
	HR	WO 94/14434	07/1994	WIPO	Elliott et al.				
	IR	WO 96/03377	02/1996	WIPO	Birdsall et al.				
	JR	WO 96/31492	10/1996	WIPO	Chan et al.				
	KR	WO 96/33171	10/1996	WIPO	Artico et al.				
BML	LR	WO 97/12613	04/1997	WIPO	Cornicelli et al.				

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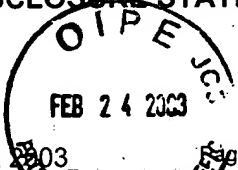
BML	MR	Elliott et al., Database Chemabs, Chemical Abstracts Service, Columbus, Ohio, US, STN, accession no. 125:142551, XP002094570, see abstract. RN 179526-39-7			
	NR	Deleuran et al., "Localization of monocyte chemotactic and activating factor (MCAF/MCP-1) in psoriasis", Journal of Dermatological Science, 1996, Vol. 13(3), pp. 228-236; XP002105554 cited in the application, see the whole document			
	OR	Derwent Abstract for JP 63284177 including Chemical Abstract Registry Records for specific compounds indexed			
	PR	Derwent and Chemical Abstracts for International Patent Application, Publication No. WO 92/04343			
	QR	Derwent World Patents Index record, JAPIO record and Chemical Abstract for Molecules (1997), 2(4), 69-79, including Chemical Abstract Registry records for specific compounds indexed			
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U.S. PATENT DOCUMENTS						
Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
** <i>BMR</i>	AR 6,479,527	11/2002	Barker et al.			
	BR					
	CR					
	DR					
	ER					

FOREIGN PATENT DOCUMENTS						English Abstract		Translation Readily Available	
		Document Number	Date MM/YYYY	Country	Inventor Name				
						Enclosed	No	Enclose	No
<i>BMR</i>	FR	WO 97/12615	04/1997	WIPO	Trivedi et al.				
	GR	WO 97/30704	08/1997	WIPO	Amon et al.				
	HR	WO 97/35572	10/1997	WIPO	Thompson et al.				
	IR	WO 99/07678	09/1999	WIPO	Barker et al.				
<i>BMR</i>	JR	WO 99/33800	07/1999	WIPO	Defossa et al.				

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<i>BMR</i>	KR	Harrison et al.; "Cyclopenta[b]indoles, Part 2. ¹ Model studies towards tremorgenic mycotoxins"; Journal of Chemical Society; 1995, pp. 1131-1136; XP002105550 cited in the application, see page 1132, Scheme 3, compound 9							
	LR	Hartman et al., "The Synthesis of 5-alkylaminomethylthieno[2,3-b]pyrrole-5-sulfonamides", Heterocycles, Vol. 29, 1989, pp. 1943-1949							
	MR	Satoshi et al., Japanese Abstract N-Phenylsulfonylindole derivatives, JP 04273857 A2							
	NR	Jones et al., "Potential Role of Monocyte Chemoattractant Protein 1/JE in ... Alveolitis in the Rat", Journal of Immunology, 1992, Vol. 149(6), pp. 2147-2154; XP002105552 cited in the application, see the whole document							
	OR	Koch et al., Enhanced Production of Monocyte Chemoattractant Protein -1 in Rheumatoid Arthritis", Journal of Clinical Investigation, 1992, Vol. 90(3), pp. 772-779; XP002105553, cited in the application, see the whole document							
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	QR	Krutošiková et al., "Derivatives of Furo[3,2-b]pyrrole", Collect. Czech. Chem. Commun., Vol.59, 1994, pp. 473-481							
<i>BMR</i>	RR	Krutošiková et al., "Reactions of Methyl 2-Formylfuro[3,2-b]pyrrole-5-carboxylates", Chem. Papers. Vol. 50, 1996, pp. 72-76							

Examiner <i>[Signature]</i>	Date Considered: 5/21/03
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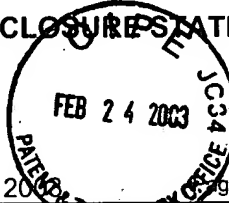
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						Enclosed	No	Enclose	No
** BMR	FR	WO 99/40913	08/1999	WIPO	Barker et al.				
**	GR	WO99/40914	08/1999	WIPO	Barker et al.				
**	HR	WO 00/46198	08/2000	WIPO	Faull et al.				
**	IR	W0 00/46197	08/2000	WIPO	Faull et al.				
**	JR	W0 00/46199	08/2000	WIPO	Faull et al.				
** BMR	KR	W0 00/46195	08/2000	WIPO	Faull et al.				

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	MR	Krutošiková et al., "Substituted Vinyl Azides in Synthesis of Furo[3,2-b:4,5-b]-dipyrroles and Pyrrolo[2',3':4,5]Furo[3,2-c]pyridines", Heterocycles. Vol. 37, No. 3, 1994, pp. 1695-1700						
	NR	Krutošiková et al., "Substituted Vinyl Azides in the Synthesis of Condensed Nitrogen Heterocycles", Chem. Papers, Vol. 48, 1994, pp. 268-273						
	OR	Krutošiková et al., "Synthesis and Reactions of Furo[3,2-b]pyrrole Type Aldehydes", Czech. Chem. Commun., Vol.58, 1993, pp. 2139-2149						
	PR	Murakami et al., "Direct Regioselective Vinylation of Indoles Using Palladium (II) Chloride", Heterocycles, 1984, Vol. 22, No. 7, pp. 1493-1496						
	QR	Rosenmund et al., "Decarboxylierungen einiger 1-Alkyl-2-carboxy-3-indoleessigsäuren sowie Synthese eines 5-Thiocyanato-2,3-dihydroindols", Chemical Berichte, 1975, Vol. 108, pp. 3538-3542, XP-00909395				X		X
BMR	RR	Troschütz et al., "Synthesis of Substituted 4-Amino-4-cyano-1-oxo-1,2,5,10-tetrahydroazepinol[3,4-b]indoles", Journal of Heterocyclic Chemistry, Sept.-Oct. 1997, Vol. 34, pp. 1431-1440, XP-000909451						

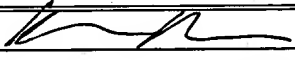
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** BMR	FR	W0 00/46196	08/2000	WIPO	Faull et al.				
** /	GR	WO 01/51467	07/2001	WIPO	Faull et al.				
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	IR								
	JR								

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BMR	KR	Yokoyama et al., "New Synthetic Method for Dehydrotryptophan Derivatives. Synthetic Studies on Indoles and Related Compounds, XXXIV ¹ ", Chemical and Pharmaceutical Bulletin, 1994, Vol. 42, No. 4, pp. 832-838							
BMR	LR	Yokoyama et al., "Palladium-catalyzed cross-coupling reaction: direct allylation of aryl bromides with allyl acetate " TETRAHEDRON LETTERS., vol. 26, no. 52 – 1985 pages 6457-6460, XP002081581 OXFORD GB * PAGE 6458-6459: compound 7 *							
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